

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A spring mattress with longitudinal strings, the spring mattress comprising:
a plurality of interconnected coil springs enclosed in covers, and
a plurality of such—parallel strings ~~being~~ arranged side by side and interconnected by a surface attachment between abutting surfaces,
wherein a slit is provided between at least two coil springs located adjacent to one another within the same string, the slit allowing~~which~~ slit allows an increased interjacent separation distance to be formed between said adjacent coil springs.
2. (Currently Amended) A—The spring mattress as claimed in claim 1, wherein the slit is provided ~~in such manner that it~~ such that the slit is completely enclosed between ~~the~~an upper and ~~the~~a lower part of the string.
3. (Currently Amended) A—The spring mattress as claimed in claim 1, wherein ~~slits are~~ the slit is provided between essentially all adjacent coil springs in essentially all the strings arranged in parallel.
4. (Currently Amended) A—The spring mattress as claimed in claim 1, wherein ~~slits are~~ the slit is provided only between some of all the adjacent coil

springs of at least one string some of the strings to obtain zones with different properties across the mattress.

5. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein the ~~cover material is~~ covers are joined together on both sides along the slit to close the covers along the slit.

6. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein the surface attachment adaptedconfigured to interconnect the strings comprisesincludes at least one of gluing and welding.

7. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein the separation distance exceeds about 10% of the diameter of the largest one of the spiral turns spiral turn of the adjacent coil springs, and preferably exceeds 15% and most preferably exceeds 20%.

8. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein the separation distance exceeds 1 cm.

9. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein it-a spring density of the spring mattress along a direction of slits in a string is less than 15 springs per meterhas a density of springs in the string direction, in strings in which slits are provided, of less than 15 springs per meter, and preferably less than 13 springs per meter.

10. (Currently Amended) A-The spring mattress as claimed in claim 1, wherein the ~~cover is~~ covers are made from a textile fabric that can be

welded ~~preferably weldable textile fabric.~~

11. (Currently Amended) A method of manufacturing a spring mattress, ~~the method comprising the steps of:~~

~~arranging coil springs enclosed in covers in longitudinal strings in such manner that they are enclosed in covers in longitudinal strings, and~~

~~interconnecting a plurality of parallel strings side by side by a surface attachment between abutting surfaces, and~~

~~wherein the further step of providing a slit between at least two coil springs located adjacent to one another within the same string, which slit such that the slit allows an increased interjacent separation distance to be formed between these the adjacent coil springs.~~

12. (Currently Amended) A ~~The~~ method as claimed in claim 11, wherein ~~the at least one slit is provided in such manner that it such that the slit is completely enclosed between the an upper and the a lower part of the string.~~

13. (Currently Amended) A ~~The~~ method as claimed in claim 11, further comprising joining together ~~of the a~~ cover material on both sides along the slit to close the covers along the slit, wherein the cover material is joined before providing the slit~~which joining together is preferably provided before providing the slit.~~

14. (Currently Amended) A ~~The~~ method as claimed in claim 11, wherein ~~interconnecting of a the~~ plurality of parallel strings are interconnected side by side ~~by at least one of gluing and welding by surface attachment between abutting surfaces is achieved by gluing and/or welding.~~

15. (Currently Amended) A-The method as claimed in claim 11, wherein arranging the coil springs further comprises: the step of providing coil springs in such manner that they are enclosed in covers in longitudinal strings comprises the partial steps of

arranging a strip of a cover material so-such that it is folded over the coil
springs arranged in succession therebetween,

providing a longitudinal joining line at the open end of the folded strip thus
folded, and

arranging, before or after providing the longitudinal joining line, at least one
transverse joining line between adjacent pair of coil springs in each pair of springs.

16. (Currently Amended) A-The method as claimed in claim 15, wherein the slit between adjacently located coil springs is provided at the same time as or
directly after arranging the at least one transverse joining line~~step of providing slits~~
~~between springs located adjacent to one another within the same string is carried~~
~~out at the same time as, or directly after, the arranging of the at least one~~
~~transverse joining line between said springs.~~

17. (Currently Amended) A-An apparatus for manufacturing a spring mattress, the apparatus comprising:

means for arranging coil springs such that the coil springs are enclosed in
covers in longitudinal strings, and

means for interconnecting a plurality of parallel strings side by side by
surface attachment between abutting surfaces,

wherein it-the apparatus further comprises-includes means for
providing a slit between at least two coil springs located adjacent to one another

within ~~the-a~~ same string, which ~~such that the~~ slit allows an increased interjacent separation distance to be formed between ~~these-the~~ adjacent coil springs.

18. (Currently Amended) ~~An~~The apparatus as claimed in claim 17, wherein the means for providing athe slit between at least two coil springs located adjacent to one another within the same string ~~is adapted~~are configured to arrange the slit such that the slit~~so that it is completely enclosed between the~~an upper and ~~the-a~~ lower part of the string.

19. (Currently Amended) ~~An~~The apparatus as claimed in claim 17, further comprising means for joining together ~~the-a~~ cover material on both sides along the slit, to close the covers along the slit.

20. (Currently Amended) ~~An~~The apparatus as claimed in claim 17, wherein the means for interconnecting a plurality of parallel strings side by side by surface attachment between abutting surfaces ~~is adapted~~are configured to effect said interconnection by at least one of gluing and welding and/or welding.

21. (Currently Amended) ~~A deviee~~The apparatus as claimed in claim 17, wherein the means for arranging the coil springs ~~comprise in such manner that they are enclosed in covers in longitudinal strings comprises~~

means for arranging a strip of a cover material so that ~~it~~the cover material is folded over the coil springs arranged in succession therebetween,

means for arranging a longitudinal joining line at ~~the~~an open end of the ~~folded~~ strip ~~thus folded~~, and

means for arranging at least one transverse joining line between each pair of adjacent springs.

22. (Currently Amended) ~~A device~~ The apparatus as claimed in claim 17, wherein the means for arranging the at least one providing the slit is a cutting tool configured ~~arranged to be moveable towards to move in a direction of~~ the cover material.

23. (Currently Amended) ~~A device~~ The apparatus as claimed in claim 22, wherein the cutting tool is arranged adjacent to the means for arranging the at least one transverse joining line between each adjacent pair of springs ~~in each pair of springs and wherein the cutting tool is configured adapted to operate jointly with the means for arranging the at least one transverse joining line~~ said means.

24. (New) The spring mattress as claimed in claim 1, wherein the separation distance exceeds about 15% of the diameter of the largest spiral turn of the adjacent coil springs.

25. (New) The spring mattress as claimed in claim 1, wherein the separation distance exceeds about 20% of the diameter of the largest spiral turn of the adjacent coil springs.

26. (New) The spring mattress as claimed in claim 1, wherein a spring density of the spring mattress along a direction of slits in a string is less than 13 springs per meter.

*** END CLAIM LISTING ***